

FIG. 1

Light Chain

	Framework 1	Framework 2	Framework 3	Framework 4
V10	DIVMSQSPD <del>SL</del> AVSLGERVTI <del>NC</del>	WYQQKPGQSPKLLIY	GVPDRFSGSGGTDF <del>FTLT</del> ITISSVQAEDVAVYYC	FGAGTKLELK
V35	<del>---</del> T <del>-----</del> A-I <del>---</del>	<del>-----</del>	<del>-----</del> L <del>-----</del>	<del>-----</del> I <del>-----</del>
V37	<del>---</del> T <del>-----</del> A-I <del>---</del>	<del>-----</del> P <del>-----</del>	<del>-----</del> L <del>-----</del>	<del>---</del> Q <del>-----</del> I <del>-----</del>

Heavy Chain

	Framework 1	Framework 2	Framework 3	Framework 4
V10	QVQLVQSGAEVVKPGASVKISCKASGYTFT	WVKQMPGQRLEWIG	KATLTADTSA <del>STAY</del> VELSLSRSED <del>TAVY</del> FCTR	WGQGILVTVSS
V40	<del>-----</del> V <del>-----</del>	<del>---</del> R <del>-----</del> M <del>-----</del>	<del>RV</del> -I <del>-----</del> M <del>-----</del>	<del>-----</del>
V41	<del>-----</del> K <del>-----</del> V <del>-----</del>	<del>---</del> R-A <del>-----</del> M <del>-----</del>	<del>RV</del> -I <del>-----</del> M <del>-----</del>	<del>-----</del>

**FIG. 2**

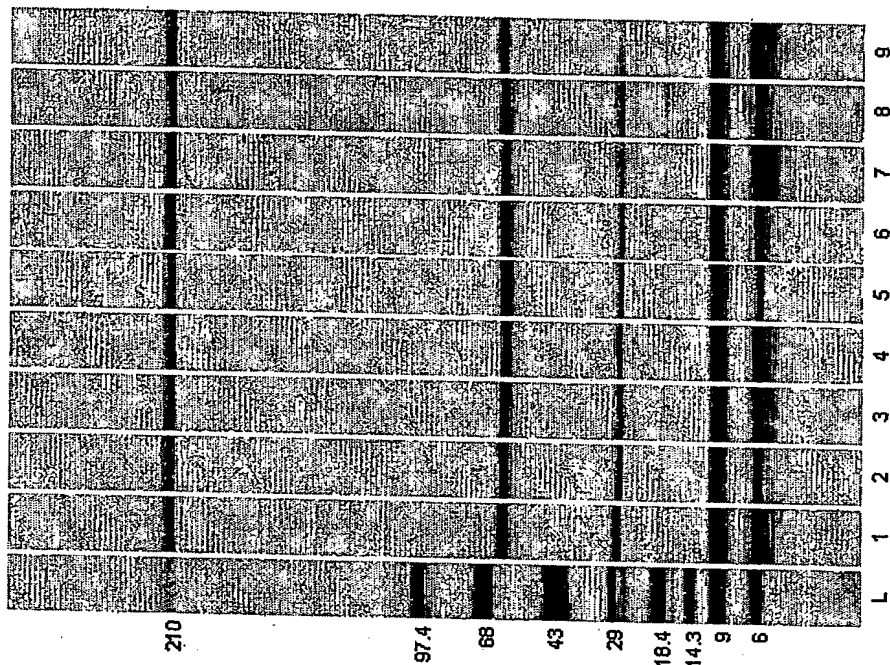


FIG. 3

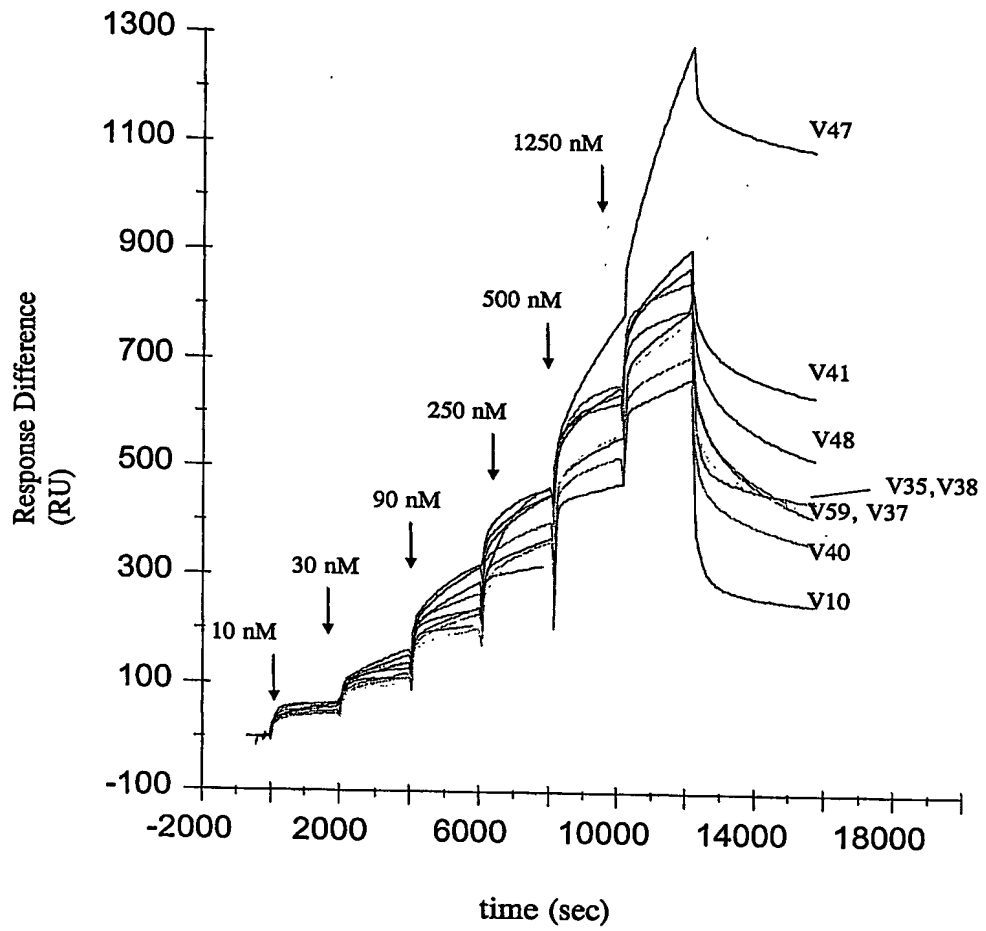
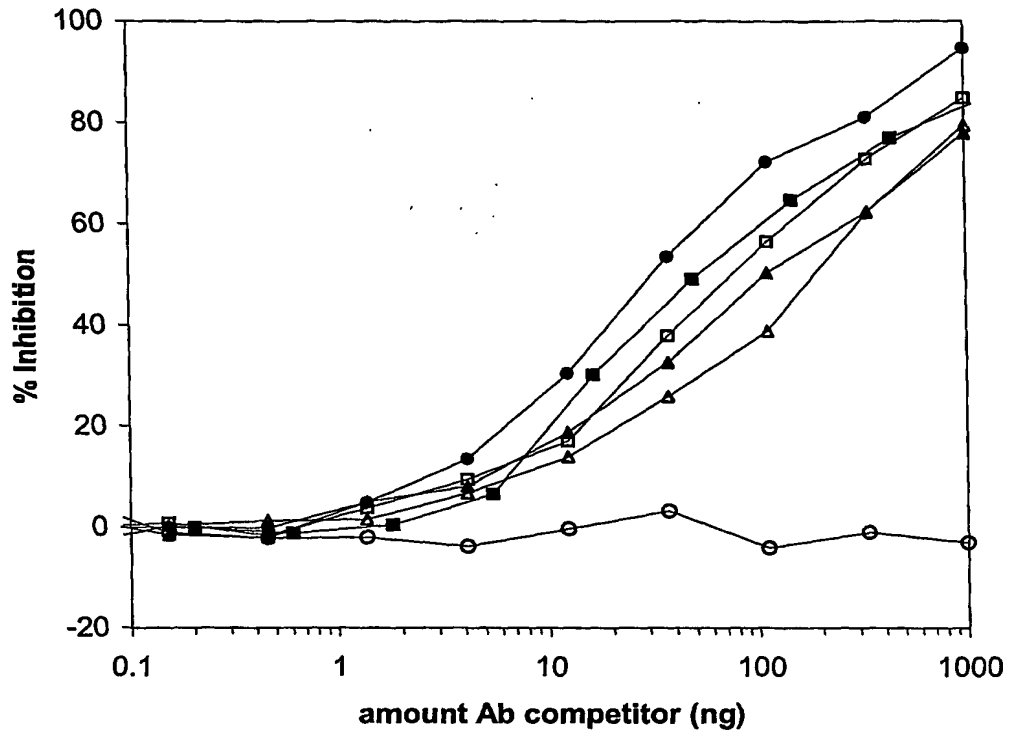
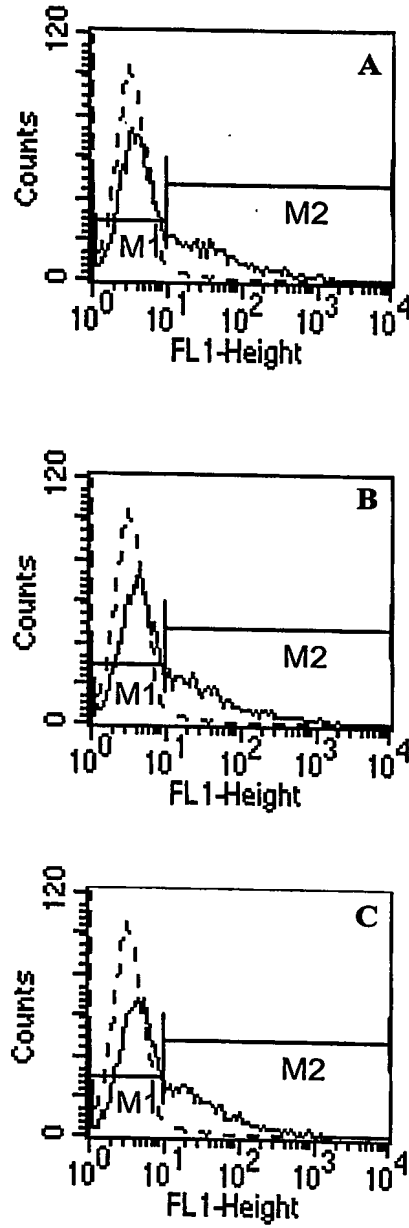


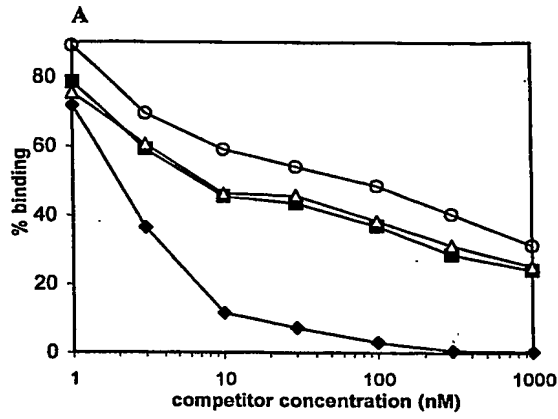
FIG. 4



**FIG. 5**



**FIG. 6**



**FIG. 7**

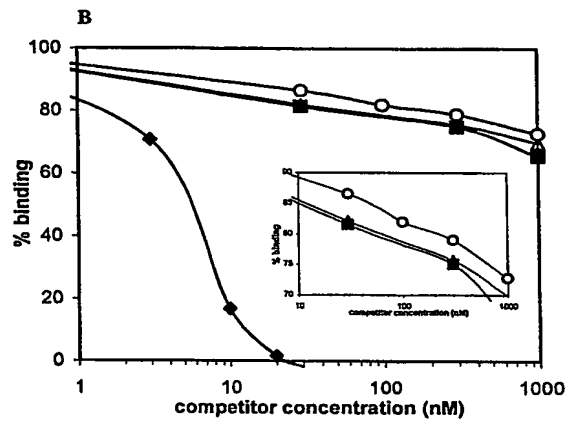


FIG. 8

Light chain	
CDR1 CC49/HuCC49 LEN	24 Lys 25 Ser 26 Ser 27 Gln 28 Ser 29 Gln 30 Lys 31 Asn 32 Tyr 33 Leu 34 Ala
CDR2 CC49/HuCC49 LEN	50 Trp 51 Ala 52 Ser 53 Ala 54 Arg 55 Glu 56 Ser
CDR3 CC49/HuCC49 LEN	89 Gln 90 Gln 91 Tyr 92 Tyr 93 Ser 94 Tyr 95 Pro 96 Leu 97 Thr
Heavy chain	
CDR1 CC49/HuCC49 21/28'CL	31 Asp 32 His 33 Ala 34 Ile 35 His
CDR2 CC49/HuCC49 21/28'CL	50 Trp 51 Phe 52 Ser 53 Ile 54 Asn 55 Ala 56 Pro 57 Gly 58 Tyr 59 Asn 60 Ser 61 Glu 62 Arg 63 Phe 64 Lys 65 Gly
CDR3 CC49/HuCC49 21/28'CL	95 Ser 96 Leu 97 Asn 98 Val 99 Ala 100 Ser 101 Ser 102 Tyr



LIGHT

A.

	Fwk1		Fwk2
	***** * * * * *	CDR1	**** * * * * *
mCC49	DIVMSQSPSSLPVSVGKVTLS	KSSQSLLYSGNQKNYLA	WYQQKPGQSPKLLIY
LEN	DIVMTQSPDSLAVSLGERATINC		WYQQKPGQPPKLLIY
HuCC49	DIVMSQSPDSLAVSLGERVTLNC	KSSQSLLYSGNQKNYLA	WYQQKPGQSPKLLIY

	Fwk3		Fwk4
	CDR2 * * * * * * * * * * *	CDR3	* * * * *
mCC49	WASARES GVPDRFTGSGSGTDFTLSISSVKTEDLAVYYC	QQYYSYPLT	FGAGTKLVLK
LEN	GVPDRFSGSGSGTDFTLTITSSLQAEDVAVYYC		FGQGTKLEIK
HuCC49	WASARES GVPDRFSGSGSGTDFTLTITSSVQAEDVAVYYC	QQYYSYPLT	FGAGTKLELK

HEAVY

B.

	Fwk1		Fwk2
	** * * * * * * * * * *	CDR1	***** * * * * *
mCC49	QVQLQQSDAELVKPGASVKISCKASGYTFT	DHAIH	WVKQNPEQGLEWIG
21/28' CL	QVQLVQSGAEVKKPGASVKVSKASGYTFT		WVRQAPGQRLEWMG
HuCC49	QVQLVQSGAEVVKPGASVKISCKASGYTFT	DHAIH	WVKQNPGRLEWIG

	Fwk3
	CDR2 * * * * * * * * * * *
mCC49	YFSPGNDDFKYNERFKG KATLTADKSSSTAYVQLNSLTSEDSAVYFCTR
21/28' CL	RVTITRDTSASTAYMELSSLRSEDVAVYYCAR
HuCC49	YFSPGNDDFKYNERFKG KATLTADTSASTAYVELSSLRSEDVAVYFCTR

	Fwk4
	CDR3 * * * * *
mCC49	SLNMAY WGQGTSVTVSS
21/28' CL	WGQGLVTVSS
HuCC49	SLNMAY WGQGLVTVSS

FIG. 9